



SANDFIRE RESOURCES NL

A QUALITY COPPER-GOLD COMPANY ASX Code - SFR

DELIVERING ON OUR POTENTIAL

Resources Rising Stars Presentation

24 September 2015

Shannan Bamforth, Acting Chief Exploration Officer and GM Geology




GROWTH
& success




RETURNS
for shareholders




PRODUCTION
consistent & profitable


EXPLORATION
delivering new discoveries




SUSTAINABILITY
& innovation

Important Information and Disclaimer

Forward-Looking Statements and Competent Person's Statements

Forward-Looking Statements

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Competent Person's Statement – Mineral Resources

The information in this report that relates to Mineral Resources is based on information compiled by Mr Ekow Taylor who is a Member of The Australasian Institute of Mining and Metallurgy. Mr. Taylor is a permanent employee of Sandfire Resources and has sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Taylor consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Competent Person's Statement – Ore Reserves

The information in this report that relates to Ore Reserves is based on information compiled by Mr Neil Hastings who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Hastings is a permanent employee of Sandfire Resources NL and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Hastings consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Competent Person's Statement – Exploration Results

The information in this report that relates to Exploration Results is based on information compiled by Mr. Shannan Bamforth who is a Member of The Australasian Institute of Mining and Metallurgy. Mr. Bamforth is a permanent employee of Sandfire Resources and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Bamforth consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Exploration and Resource Targets

Any discussion in relation to the potential quantity and grade of Exploration Targets is only conceptual in nature. While Sandfire is confident that it will report additional JORC compliant resources for the DeGrussa Project, there has been insufficient exploration to define mineral resources in addition to the current JORC compliant Mineral Resource inventory and it is uncertain if further exploration will result in the determination of additional JORC compliant Mineral Resources.

Overview

- **Leading ASX-200** copper-gold producer
- New chapter of **discovery success and growth** at DeGrussa
- **Recent exciting VMS discovery** re-rates district exploration potential
- Value underpinned by **consistent, low-cost copper production**
- **Strong balance sheet** to fund growth and shareholder returns
- **Organic growth focus** through committed exploration
- **Emerging** international growth pipeline

A strong platform for value creation and growth



Company Snapshot

Sandfire Resources NL (ASX: SFR)



FINANCIAL OVERVIEW:

	FY 2013	FY 2014	FY 2015
Revenue	\$507.3M	\$525.7M	\$548.6M
Operating Cash-flow*	\$272.4M	\$249.5M	\$250.1M
Net Profit After Tax	\$88.0M	\$78.2M	\$69.0M
Earnings Per Share (basic)	57.48c	50.22c	44.18c
Cash	\$77M	\$58M	\$107M
Debt:	\$285M	\$160M	\$120M
Dividends	N/A	10c (final, unfranked)	13c (10c franked)

*Prior to exploration expenditure

Share Price

52-Week

Low A\$3.74

High A\$6.80

Market Cap ~A\$900 million

Shares on issue – 156.9m

Dividends – FY2015

Dividends declared

A\$0.13

Last dividend declaration date

20 August 2015

Debt (30/06/15)

A\$120m

Cash (30/06/15)

A\$107m

A Strong Platform for Growth



Discovery success and world-class exploration potential at Doolgunna



International growth pipeline



Exploring world-class provinces on Australia's East Coast

Sustainability



DELIVERING ON OUR POTENTIAL

DeGrussa – the Cornerstone Asset

DeGrussa Project – Key Facts

Production	+200,000t of copper, +100,000oz of gold to date
Revenues	+\$1.5 billion to date
Mining	+1.5Mtpa via long-hole open stoping 29km of underground development completed to date
Underground Mine Plan	9.6Mt @ 4.4% Cu and 1.6g/t Au for 424,000t Cu, 484,000oz gold (December 2014)
Underground Mining	Byrne-cut Australia Pty Ltd
Mine Life	Mid-2021
Processing	1.5Mtpa concentrator (nameplate)
Product	~270Ktpa high quality concentrate grading 24-25% Cu, 4-4.5g/t Au

DeGrussa
Copper-Gold Mine



Strong and Consistent Low-Cost Copper and Gold Production

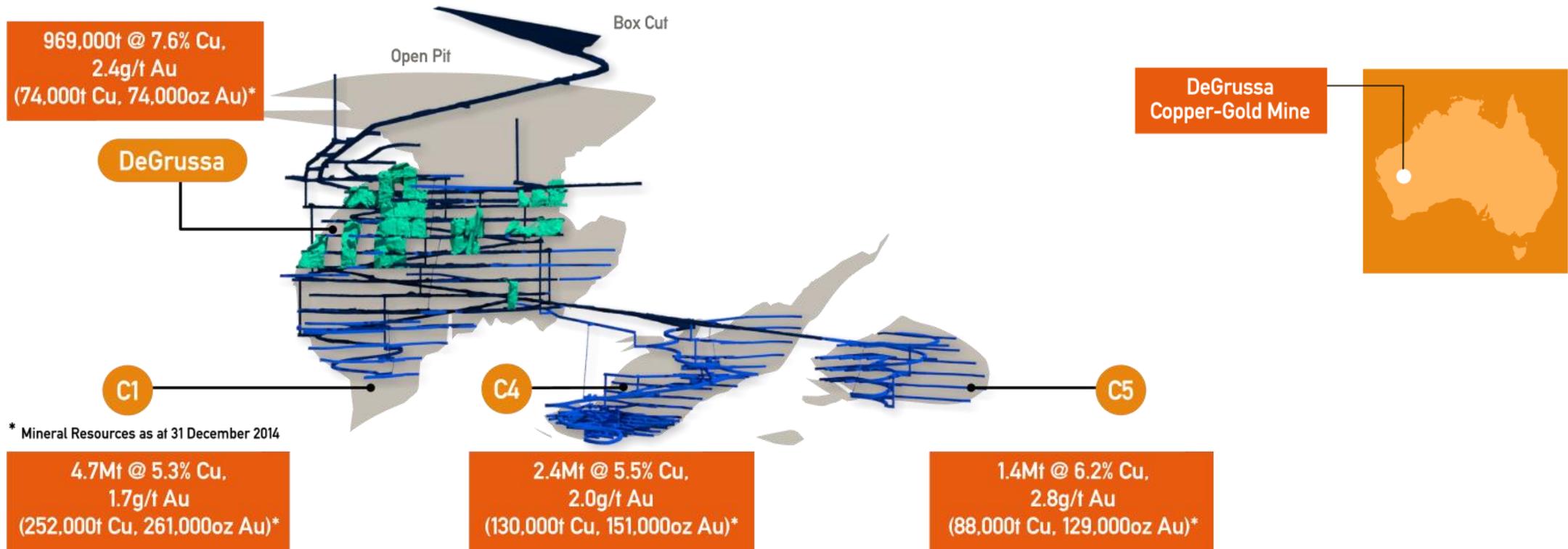
Track record of achieving guidance with excellent safety performance

FINANCIAL OVERVIEW:		FY 2013	FY 2014	FY 2015	FY 2016 (guidance)
Production	Copper (Cu)	64,017t	67,690t	67,154t	65-68kt
	Gold (Au)	42,679oz	33,893oz	37,386oz	35-40koz
C1 Cash Operating Costs (US\$/lb)		1.24	1.18	1.09	0.95-1.05

DeGrussa
Copper-Gold Mine



Robust Underground Mine Performance



- Mining rate lifted to 1.6Mtpa
- Current production from DeGrussa and C1 deposits
- C4/5 Decline development well advanced: first production from C4 in FY2016 and from C5 in FY2017

- C4 level development commenced with first development ore intersected and first stope ore in December Quarter
- ~29km of underground development completed to date
- Underground mine development reducing: ~8000m (FY 2016), ~5000m (FY 2017) to <1000m a year (FY 2018 onwards)

A Powerful Platform for Growth



Discovery success and world-class exploration potential at Doolgunna



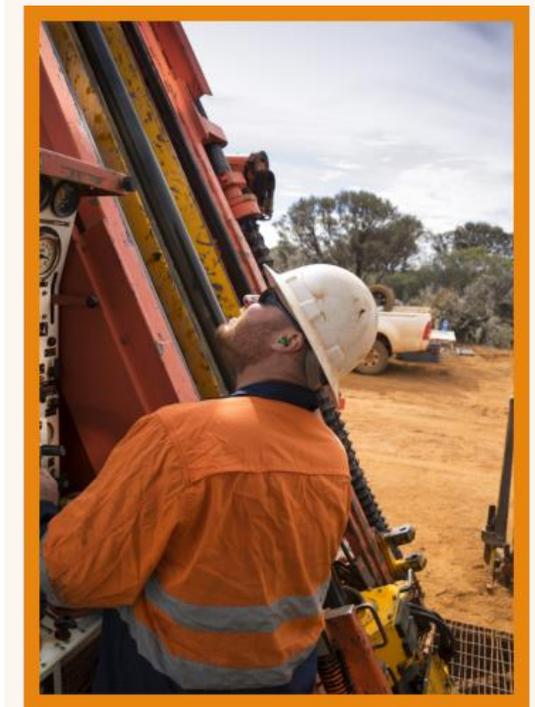
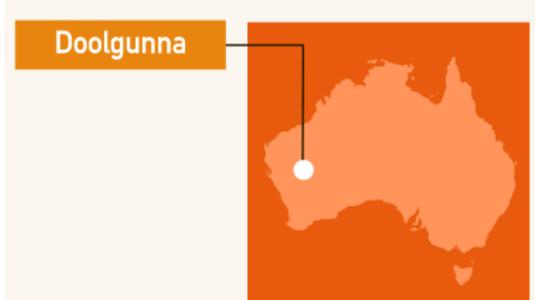
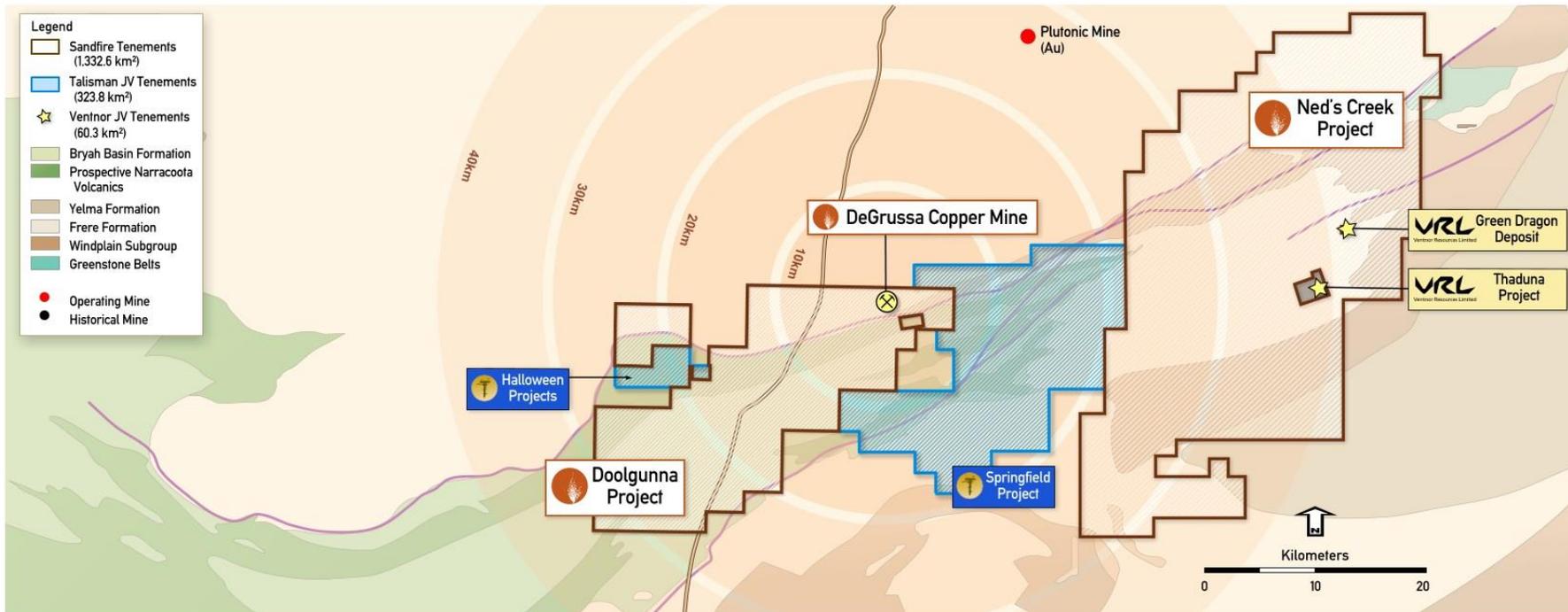
International growth pipeline

Exploring world-class provinces on Australia's East Coast

Sustainability

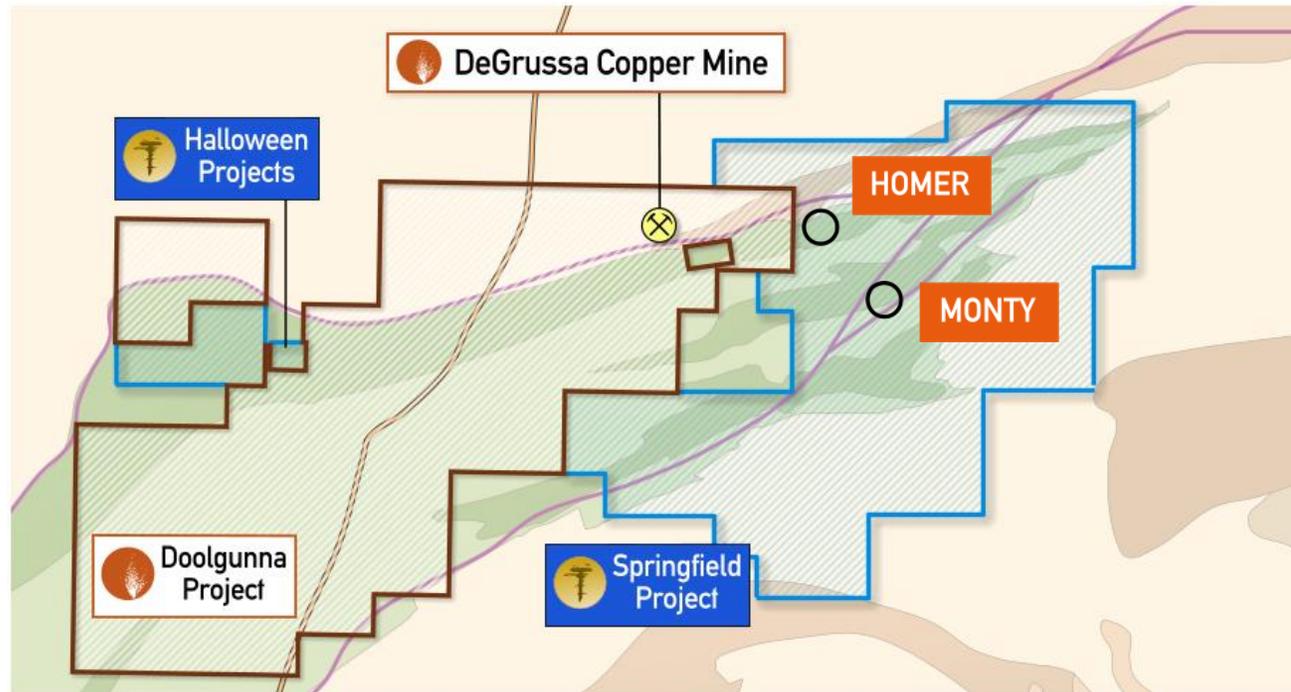
DELIVERING ON OUR POTENTIAL

Doolgunna – world-class exploration upside



- Dominant 1,700km² ground position in WA's premier emerging copper belt
- Only operating processing facility in the District
- Outstanding potential: 65km strike length of prospective VMS horizons
- Significant new high-grade discovery within Springfield Project (Talisman Farm-In) upgrades district-wide VMS potential – multiple emerging target areas

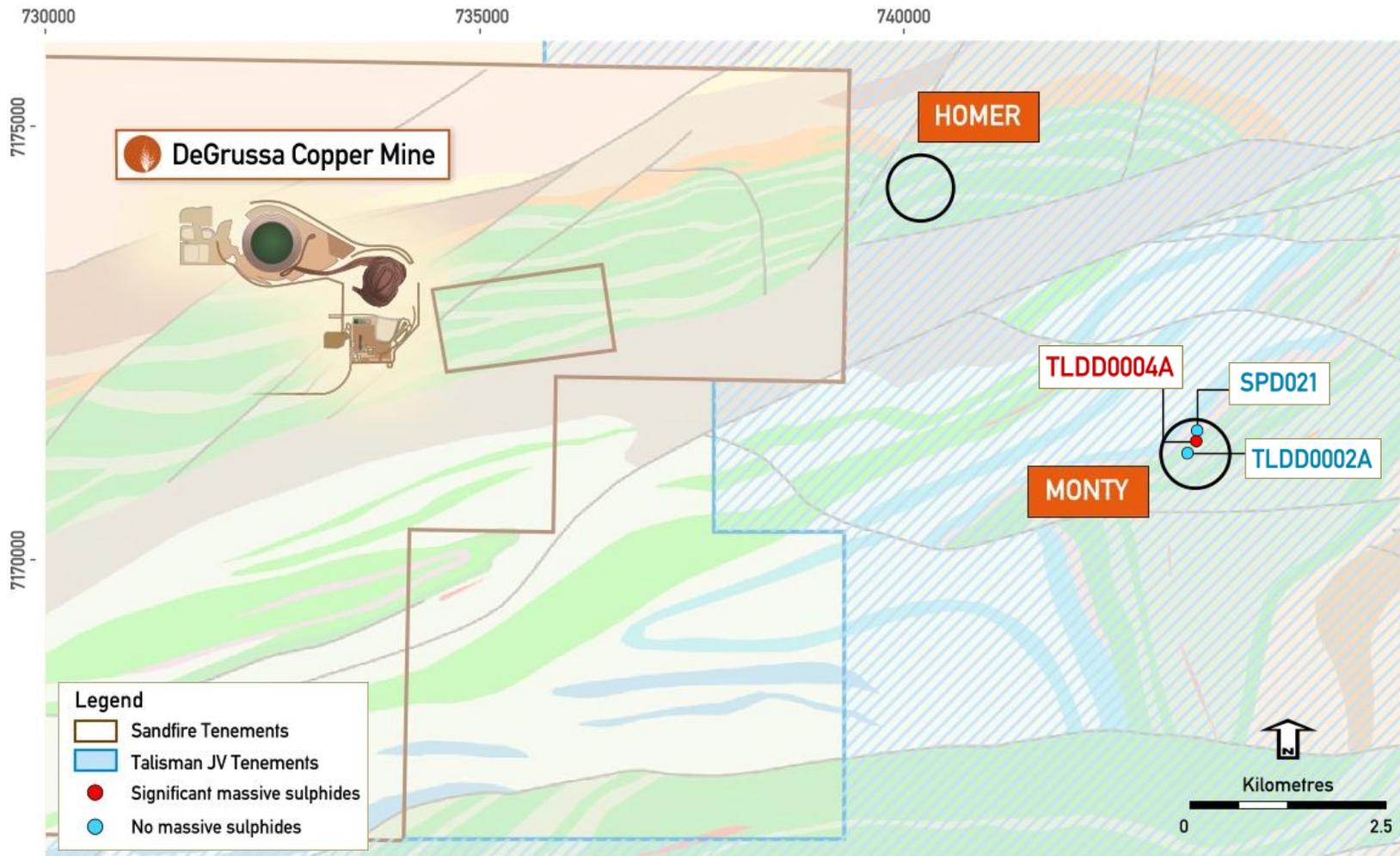
Springfield Project – Talisman Joint Venture



- Sandfire earning 70% interest via \$15M farm-in with Talisman Mining (ASX: TLM)
- Two emerging areas of exploration focus
- **Monty** – 10km east of DeGrussa
 - Significant new high-grade discovery – first discovery outside of DeGrussa
 - Growing footprint of sulphide mineralisation
 - Opens up highly prospective +5km long parallel VMS trend
 - Step-out drilling continuing
- **Homer** – 4km east of DeGrussa:
 - Thick package of exhalative VMS sequence identified within DeGrussa Mine Corridor
 - Similarities to host sequence seen at DeGrussa
 - Follow-up drilling planned

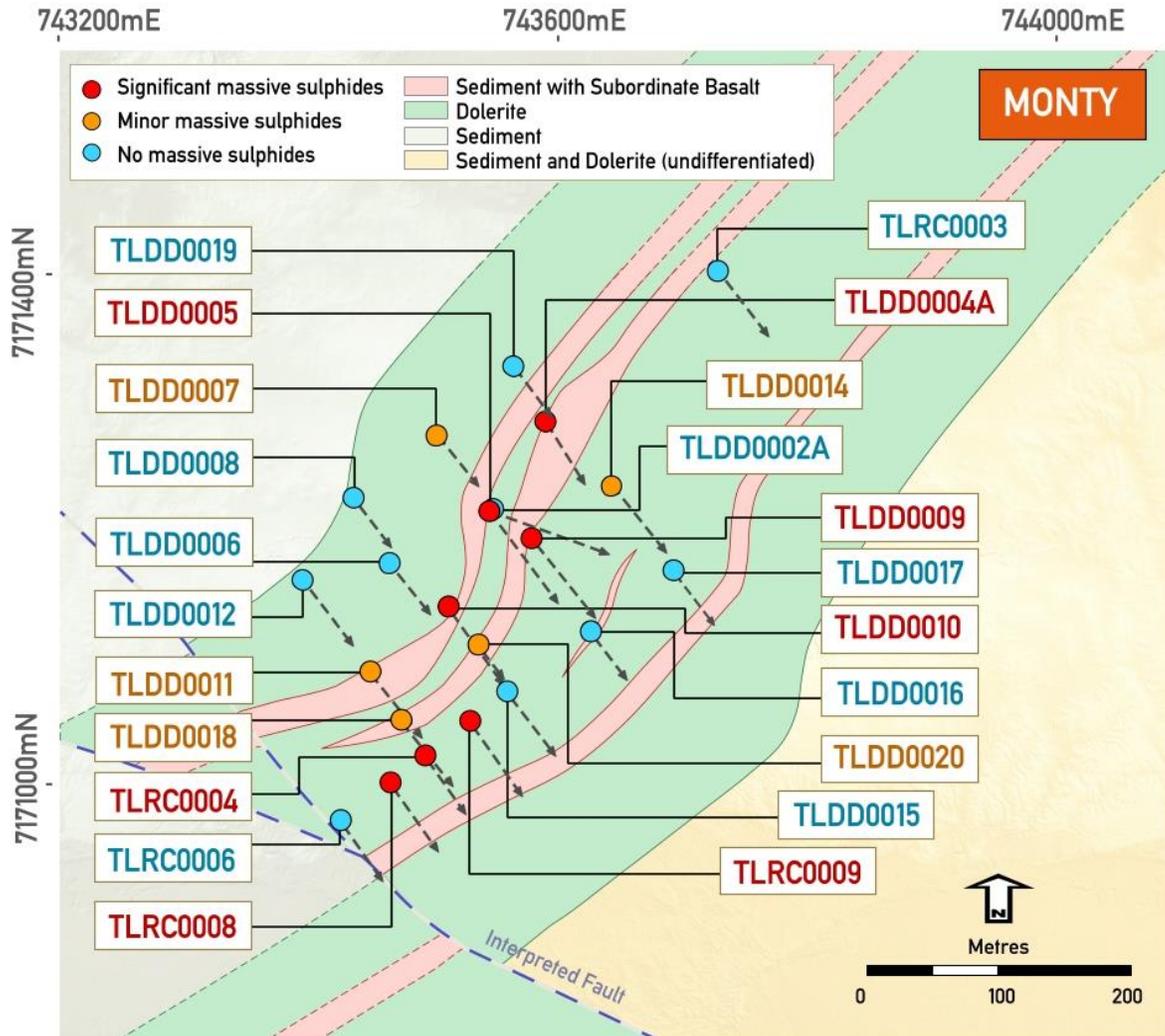


Monty – new high-grade VMS copper-gold discovery



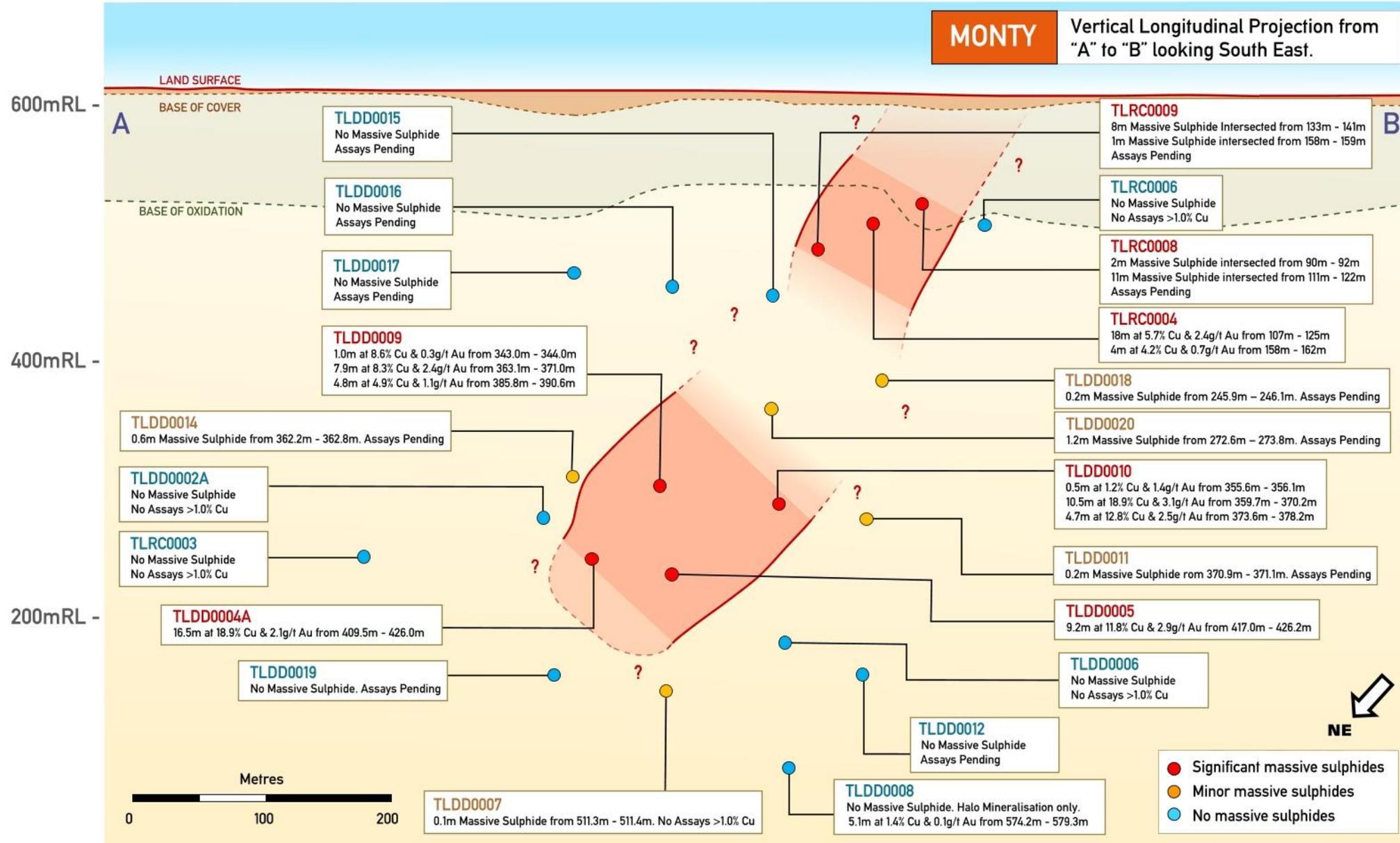
- New area identified by diligent, focused exploration including reworking and analysing data from historical Talisman drilling
- Subtle off-hole EM conductor identified at historical Talisman hole **SPD021**
- Follow-up hole **TLDD0002A** returned highly conductive target from DHEM
- Follow-up hole **TLDD0004A** targeting the off-hole conductor returned an outstanding massive sulphide intercept

Monty – new high-grade VMS copper-gold discovery



- 6,738m of diamond drilling and 3,965m of RC drilling completed to date
- Two mineralized horizons defined so far, with significant intersections including (not true width):
 - 16.5m @ 18.9% Cu, 2.1g/t Au from 409.5m (TLDD0004A) – lower horizon
 - 9.2m @ 11.8% Cu, 2.9g/t Au from 417.0m (TLDD0005) – lower horizon
 - 7.9m @ 8.3% Cu, 2.4g/t Au from 363.1m and 4.8m @ 4.9% Cu and 1.1g/t Au from 385.8m (TLDD0009) – lower horizon
 - 10.5m @ 18.9% Cu, 3.1g/t Au from 359.7m and 4.7m @ 12.8% Cu, 2.5g/t Au from 373.6m (TLDD0010) – lower horizon
 - 18.0m at 5.7% Cu, 2.4g/t Au from 107m and 4.0m grading 4.2% Cu, 0.7g/t Au from 158.0m (TLRC0004) – upper horizon

Monty – Vertical Longitudinal Projection



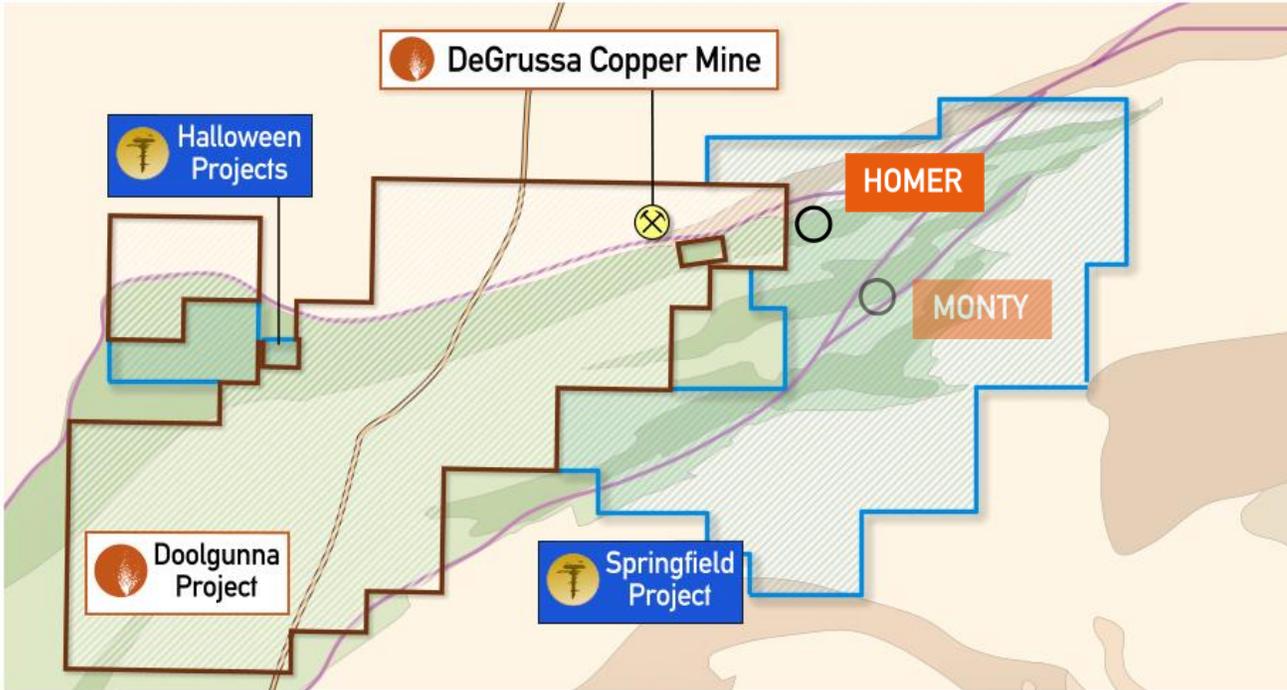
Monty – new high-grade VMS copper-gold discovery



Next steps...

- Further diamond drilling to test the extents of the mineralised system
- Interpretive work to define potential target zones within the broader Monty corridor
- Diamond and RC drilling along strike to test the 5km long prospective sequence

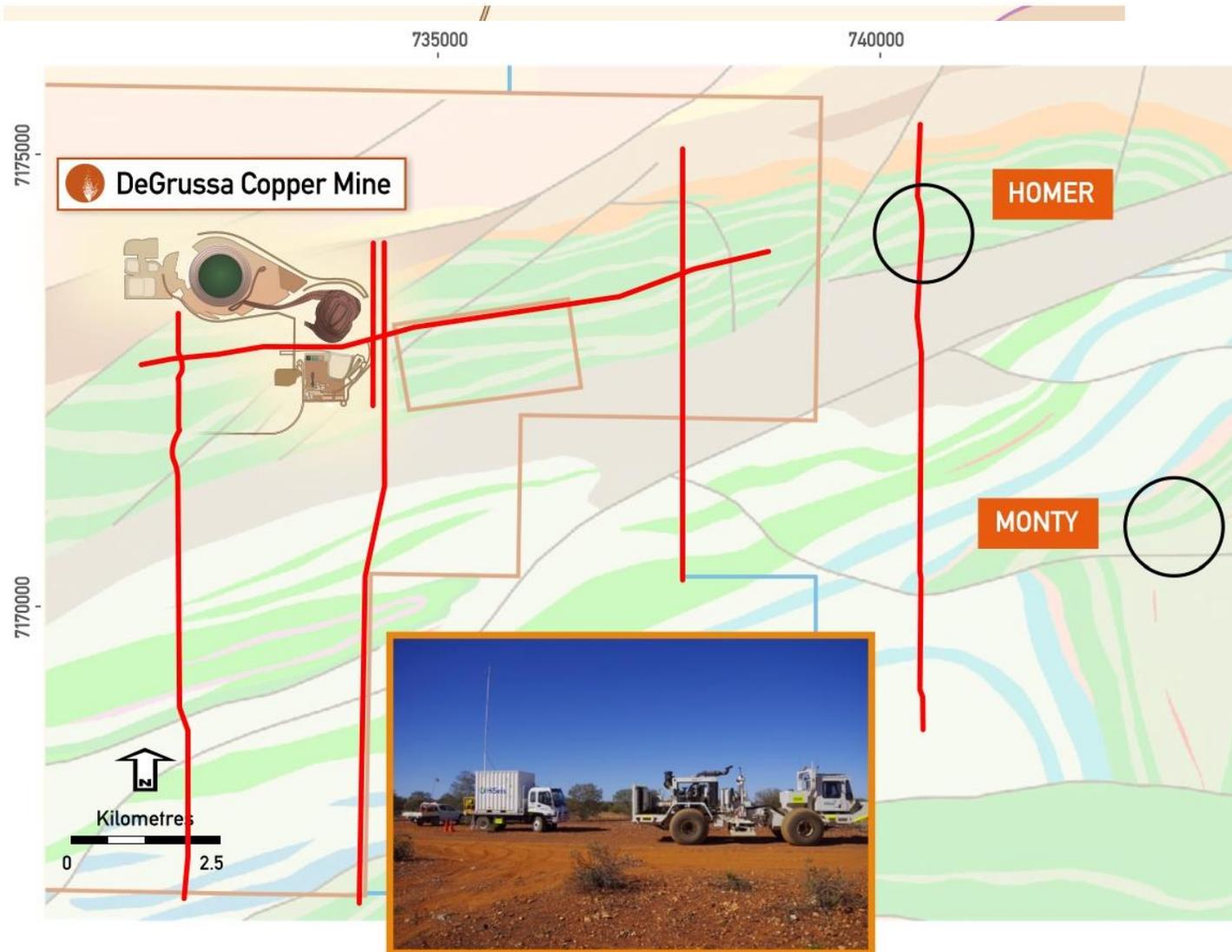
Homer – the next discovery opportunity?



- Located 4km directly east of DeGrussa
- Hole TLDD0003 completed earlier this year to test eastern strike extension of interpreted C5 host horizon
- Followed up encouraging results from TLDD0001 completed last year
- TLDD0003 intersected haematitic exhalite with jasper clasts – interpreted to be C5 host horizon
- High priority target within immediate eastern extension of DeGrussa Mine Corridor

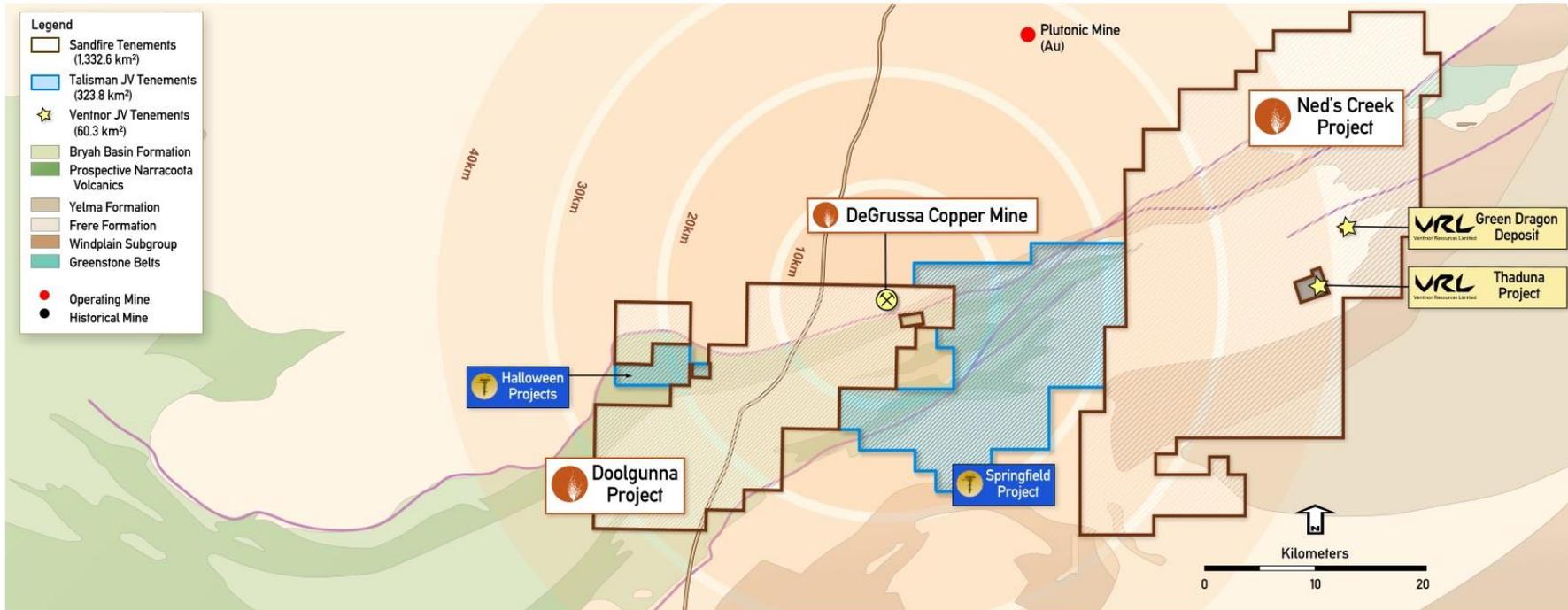


Other Opportunities – Seismic Surveys



- 34km HiSeis seismic data acquisition program commenced April 2015 over DeGrussa Mine Corridor
- Key objective is to investigate if seismic surveying is suitable for direct detection of massive sulphides
- A unique approach of testing target specific receiver arrays and line design
- Seismic has proven to be a useful exploration tool in other global VMS camps
- Processing and interpretation of results underway

Doolgunna – world-class exploration upside



- Multiple high-quality exploration opportunities across the broader land-holding
- VMS exploration underway along the length of the prospective sequence on 100% SFR and joint venture tenements
- Exploration programs underway targeting structurally-hosted copper deposits at Ned's Creek and Thaduna JV
- Follow-up work on encouraging geochemistry at North Robinson Range

A Powerful Platform for Growth



Discovery success and world-class exploration potential at Doolgunna



International growth pipeline



Exploring world-class provinces on Australia's East Coast

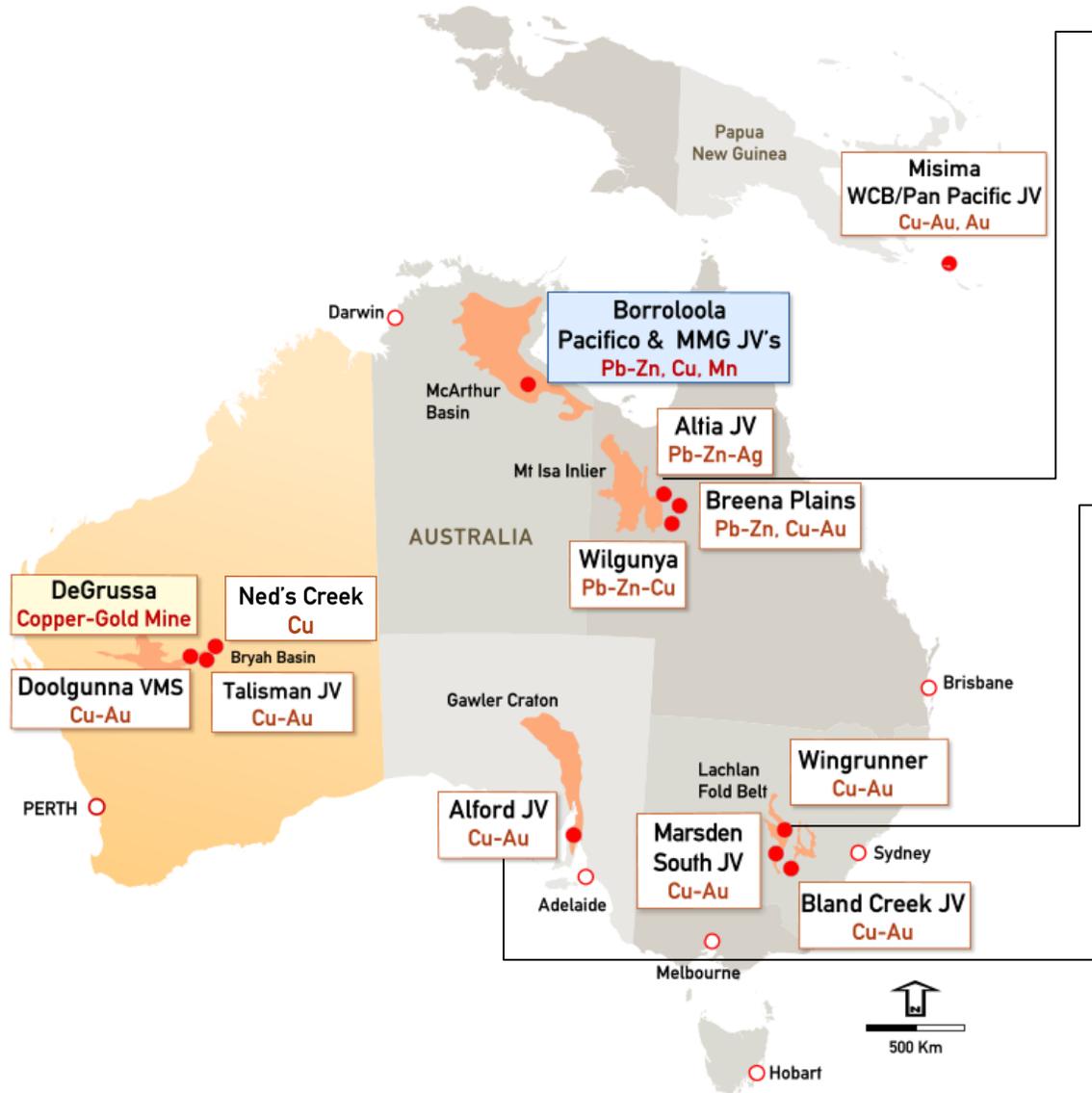
Sustainability



DELIVERING ON OUR POTENTIAL

Australian Regional Exploration Projects

Targeting world-class discoveries in Australia's premier exploration provinces



EXPLORATION:

Queensland Base Metals

- 2,300km² in Mt Isa-Cloncurry province
- 100km strike length with outstanding potential for Broken Hill/Cannington-style and IOCG mineralisation
- Drilling 6 targets underway at Breena Plains, Altia and Black Rock

EXPLORATION:

NSW Base Metals

- 2,100km² in Lachlan Fold Belt
- Outstanding potential for porphyry mineralisation
- Drilling up to 6 targets at Wingrunner, Marsden South, Bland Creek in Q4 2015
- Planning ~2,000m DD 4,000m of RC, 4,500m AC
- Ground magnetics and IP

EXPLORATION:

South Australian IOCG Project

- 700km² in Gawler Craton
- Potential for IOCG copper-gold discoveries

A Powerful Platform for Growth



Discovery success and world-class exploration potential at Doolgunna



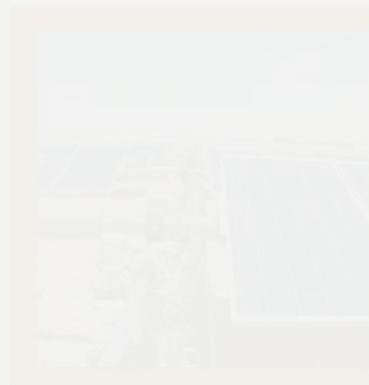
Exploring world-class provinces on Australia's East Coast



International growth pipeline



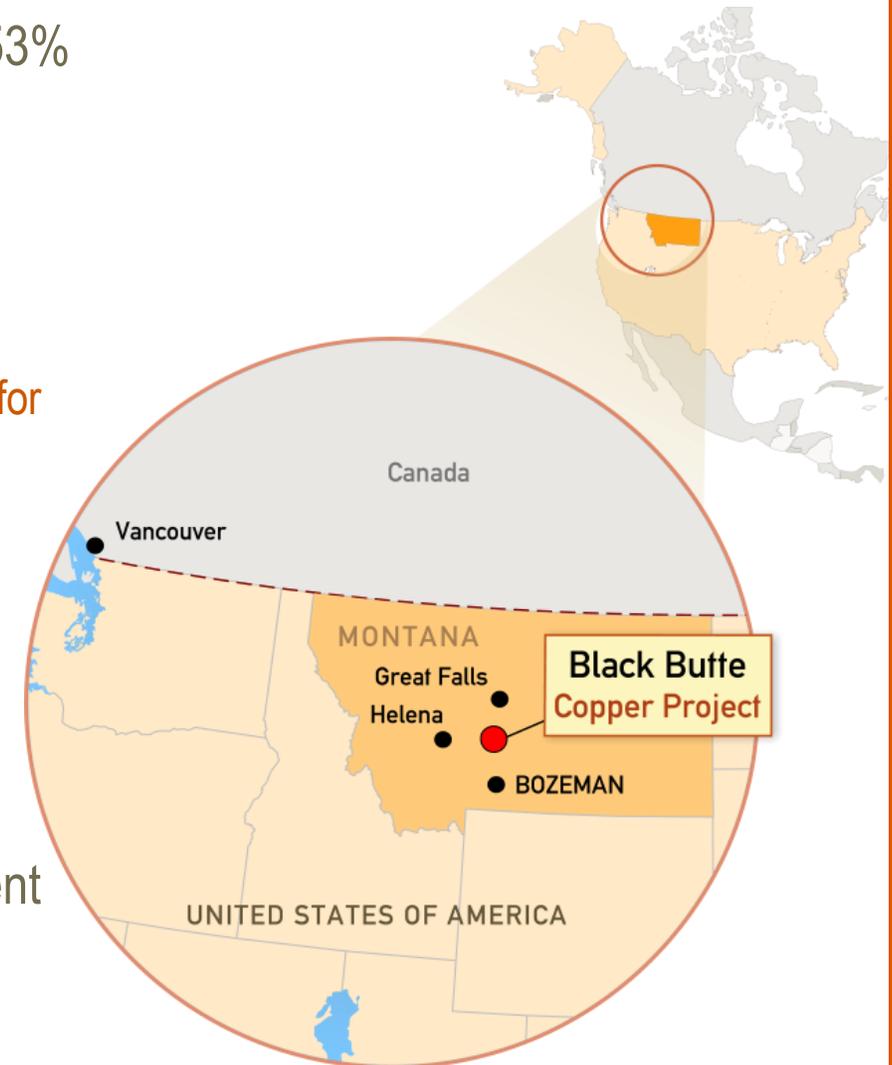
Sustainability



DELIVERING ON OUR POTENTIAL

Investment in Tintina Resources / Black Butte Copper Project

- 36% stake in Tintina Resources (TSX-V: TAU) with clear pathway to 53% and control
- Developing the Black Butte Copper Project, central Montana, USA
- Advanced, high quality copper project in stable jurisdiction:
 - NI 43-101 Measured and Indicated Resources of 15.7Mt grading 3.4% Cu for 533,600t of contained copper
 - NI 43-101 Inferred Resources of 2.3Mt grading 2.8% Cu for 63,500t of contained copper
- Outstanding near-mine and district-wide exploration potential
- Development studies underway
- Application for Mine Operating Permit (MOP) with Montana Department of Environmental Quality (DEQ) to be filed in Q4 CY 2015



A Powerful Platform for Growth



Discovery success and world-class exploration potential at Doolgunna



International growth pipeline



Exploring world-class provinces on Australia's East Coast



Sustainability

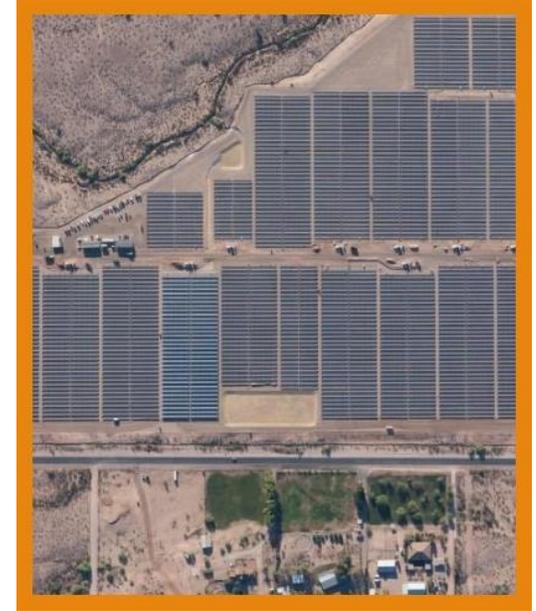


DELIVERING ON OUR POTENTIAL

Sustainability – DeGrussa Solar Power Project

First-mover renewable energy project with potential to reduce costs and CO₂ emissions

- 10.6MW solar power station being constructed at DeGrussa
- To be fully integrated with existing 19MW diesel-fired power station
- \$40M project being financed, developed and operated by international consortium
- Establishes DeGrussa as potential world-leading reference site for use of renewables
- Expected to be one of the largest integrated off-grid solar power systems in the global mining industry
- Expected reduction in CO₂ emissions by 12,000 tonnes per year
- Completion targeted by early 2016



Summary and Outlook

Continued strong outlook for FY2016 and beyond

- **Consistent, low-cost copper-gold production**
 - FY2015 performance: 67,154t Cu, 37,386oz gold at C1 US\$1.09/lb
 - FY2016 guidance: 65-68,000t Cu, 35-40,000oz Au at C1 US\$0.95-1.05/lb
- New chapter of **discovery success and growth** at DeGrussa
 - High-grade Monty VMS discovery re-rates district exploration potential
- **Strong cash flow** funding growth and shareholder returns
 - Continued dividend stream for shareholders
 - Committed exploration to further extend mine life
 - Cornerstone position acquired in high-grade USA copper project
- **Emerging** international and domestic growth pipeline

A premier Australian copper-gold company





SANDFIRE RESOURCES NL

A QUALITY COPPER-GOLD COMPANY ASX Code- SFR

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Mineral Resource, Ore Reserve and Mine Plan

Maiden C4 Ore Reserve and Mineral Resource additions extend mine life to mid-2021



- Previously announced increases to high-grade Underground Mineral Resource incorporated into DeGrussa Mine Plan, extending mine life to mid-2021
- Maiden Ore Reserve reported for C4 deposit – 2Mt grading 4.5% Cu and 1.5g/t Au
- DeGrussa Ore Reserve updated based on mining depletion to 31 December 2014 to 10.6Mt grading 3.5% Cu and 1.3g/t Au for 376,000t of contained copper and 456,000oz of contained gold



Table 1 – December 2014 Comparison of the Underground Mine Plan, Mineral Resource and Ore Reserve

DeGrussa Underground Mine	Tonnes (Mt)	Copper (%)	Gold (g/t)	Contained Copper (t)	Contained Gold (oz)
Mine Plan	9.6	4.4	1.6	424,000	484,000
Mineral Resource	9.5	5.7	2.0	546,000	616,000
Ore Reserve	7.8	4.4	1.5	343,000	368,000

DeGrussa Underground Mine by orebody	Tonnes (Mt)	DG (Mt)	C1 (Mt)	C4 (Mt)	C5 (Mt)
Mine Plan	9.6	1.1	4.7	2.2	1.5
Mineral Resource	9.5	1.0	4.7	2.4	1.4
Ore Reserve	7.8	1.1	4.6	2.0	-

Table 2 – December 2014 Ore Reserve

DeGrussa Mine Ore Reserve, net of depletion	Tonnes (Mt)	Copper (%)	Gold (g/t)	Contained Copper (t)	Contained Gold (oz)
Underground Mine	7.8	4.4	1.5	343,000	368,000
Stockpiles (Total)	2.9	1.2	1.0	35,000	89,000
December 2014 – Total	10.6	3.5	1.3	376,000	456,000

Drill-hole Information Summary, Springfield Project



Hole ID	Depth	Dip	Azimuth	Grid_ID	East	North	RL	Lease ID	Hole Status
TLDD0001	1099	-62°	357°	MGA94_50	740146	7174150	589	E52/2313	Complete
TLDD0002A	463	-61°	110°	MGA94_50	743544	7171211	602	E52/2282	Complete
TLDD0003	658	-62°	355°	MGA94_50	740596	7174550	589	E52/2313	Complete
TLDD0004A	817	-60°	148°	MGA94_50	743588	7171281	601	E52/2282	Complete
TLDD0005	478	-62°	139°	MGA94_50	743544	7171210	602	E52/2282	Complete
TLDD0006	554	-62°	138°	MGA94_50	743469	7171174	601	E52/2282	Complete
TLDD0007	589	-62°	138°	MGA94_50	743504	7171271	601	E52/2282	Complete
TLDD0008	688	-62°	138°	MGA94_50	743441	7171223	600	E52/2282	Complete
TLDD0009	472	-62°	138°	MGA94_50	743578	7171190	602	E52/2282	Complete
TLDD0010	433	-62°	140°	MGA94_50	743514	7171138	601	E52/2282	Complete
TLDD0011	472	-60°	140°	MGA94_50	743453	7171090	598	E52/2282	Complete
TLDD0012	598	-60°	140°	MGA94_50	743403	7171155	599	E52/2282	Complete
TLDD0014	399	-60°	140°	MGA94_50	743638	7171231	603	E52/2282	Complete
TLDD0015	363	-62°	143°	MGA94_50	743561	7171073	602	E52/2282	Complete
TLDD0016	274	-62°	143°	MGA94_50	743621	7171119	604	E52/2282	Complete
TLDD0017	236	-62°	143°	MGA94_50	743686	7171166	605	E52/2282	Complete
TLDD0018	337	-62°	143°	MGA94_50	743471	7171054	599	E52/2282	Complete
TLDD0019	548	-60°	136°	MGA94_50	743566	7171329	600	E52/2282	Complete
TLDD0020	340	-62°	143°	MGA94_50	743537	7171105	602	E52/2282	Complete
TLRC0003	544	-61°	144°	MGA94_50	743720	7171393	599	E52/2282	Complete
TLRC0004	306	-62°	143°	MGA94_50	743497	7171025	600	E52/2282	Complete
TLRC0006	318	-62°	143°	MGA94_50	743430	7170973	598	E52/2282	Complete
TLRC0008	294	-60°	143°	MGA94_50	743465	7171001	599	E52/2282	Complete
TLRC0009	265	-60°	143°	MGA94_50	743529	7171049	601	E52/2282	Complete

Drill-hole Information Summary, Springfield Project



Hole ID	Int	From	To	Downhole Width	Intersection		
					Cu (%)	Au (g/t)	Zn (%)
TLDD0004A		409.5	426.0	16.5	18.9	2.1	1.5
TLDD0005		417.0	426.2	9.2	11.8	2.9	2.3
TLDD0008		574.2	579.3	5.1	1.4	0.1	0.0
TLDD0009	1	343.0	344.0	1.0	8.6	0.3	0.1
	2	363.1	371.0	7.9	8.3	2.4	2.1
	3	385.8	390.6	4.8	4.9	1.1	1.4
TLDD0010	1	355.6	356.1	0.5	1.2	1.4	0.2
	2	359.7	370.2	10.5	18.9	3.1	1.1
	3	373.6	378.2	4.7	12.8	2.5	0.8
TLRC0004	1	107.0	125.0	18.0	5.7	2.4	3.2
	2	158.0	162.0	4.0	4.2	0.7	0.1

